

CLAIM SET AS AMENDED

1. (currently amended) A cryptographic apparatus comprising:

plaintext packet receiver ~~means~~—for receiving packet data
transmitted and received between terminals;

a fragmentation determination ~~means~~—unit for making a
determination as to whether there is a need for fragmentation of
the packet data by computing the packet length when the packet data
is encrypted and by comparing the computed packet length with a
predetermined packet length;

a fragmentation ~~means~~—unit far for dividing the packet data
into a plurality of divided data groups if it is determined that
there is a need for fragmentation of the packet data as a result of
said determination, said fragmentation ~~means~~ unit setting the
divided data groups in a plurality of divided data packets of a
predetermined data structure capable of being reconstructed in a
transmission destination terminal, said fragmentation ~~means~~ unit
adding, to each divided data packet, control information for
ensuring continuity between the divided data groups;

an encryption ~~means~~—unit for separately encrypting the
plurality of divided data packets to form a plurality of encrypted
packets; and

an encrypted packet transmitting means-unit for transmitting the plurality of encrypted packets to the transmission destination terminal.

2. (original) A cryptographic communication system in which packet data transmitted and received between terminals is encrypted by a transmitting-side cryptographic apparatus and is decrypted by a receiving-side decryption apparatus; said system comprising:

a cryptographic apparatus according to Claim 1;

a decryption apparatus which receives the plurality of encrypted packets transmitted from said cryptographic apparatus, separately decrypts each of the plurality of encrypted packets into the divided data packet, and transmits the plurality of divided data packets to a transmission destination terminal in the decryption order; and

a terminal which receives the plurality of divided data packets and reconstructs the divided data groups on the basis of the control information added to each divided data packet to obtain the packet data.